

I. Equipment *(May vary between sites)*

- a. 1 bottle EZ HD (Thick Barium) (60mL water)
- b. Liquid E-Z Paque (Thin Barium)
- c. EZ Gas II 1 package (open)
- d. Small medicine cup (fill to approx. 1 tsp. line with water)
- e. 1 EZ Disk Barium Tablet (in small medicine cup)
- f. Cracker- Lorna Doone (hospital (nutritional services) can provide gluten free if necessary)
- g. Barium pudding
- h. 3 cups / 2 straws/ Spoon

II. Personnel

- a. Radiologist/RA
 - i. Verifies order
 - ii. Administers contrast and takes spot images
- b. Hospital Technologist
 - i. Prints order and relevant notes
 - ii. Documents patient history and pregnancy status prior to exam
 - iii. Assists the radiologist/RA during procedure
 - iv. Provides patient with aftercare instructions

III. Procedure

- a. Scout image
 - i. Required for patients s/p endoscopy or surgical procedure *(within 1 week)*
 - ii. To be cleared by Radiologist/RA
 - iii. Upright Abdomen (on expiration, must include bilateral hemidiaphragms)
- b. Esophageal images with patient standing
 - i. LPO, AP (entire esophagus)
 - 1. **Include spot images of the distal esophagus and EG junction** (small mucosal irregularities are often obscured with fluoro loop store technology)
 - ii. Lateral cervical esophagus
- c. Prone esophageal images
 - i. Single swallow of thin barium to evaluate motility (use motility and number markers)
 - 1. Instruct the patient to swallow the entire bolus in one swallow (piecemealing and secondary swallows disrupt the primary parastaltic wave)
 - 2. 5 single swallows, wait 30 seconds between each swallow
 - 3. Add lead ruler to field of view for measurement purposes if hiatal hernia present *(include HH measurement in dictation)*
- d. Esophageal images with patient standing
 - i. 2 barium coated cracker boluses with a swallow of thin barium to follow each
 - ii. 13mm Ba tablet
- e. Patient Supine *(turn off CINE)*
 - i. Reflux check

IV. Required Images

- a. See Procedure

Approved by:	Keith Dangleis, MD
Role:	Physician Supervisor, RIA Fluoroscopy Technologists